

**SYSTEM AND METHOD FOR PROVIDING PHASE MATCHING WITH OPTIMIZED BEAM
WIDTHS**

ABSTRACT OF THE DISCLOSURE

Systems and methods providing analysis of channel characteristics for determining a optimum beam configuration for use therein are shown. Preferably, the direction and angle spread for subscriber units are determined in order to provide a beam for use therewith. According to a preferred embodiment, forward link characteristics are emulated in the reverse link in order to identify an optimum beam configuration. This optimum beam configuration is then preferably adapted for use in the forward link. Preferably, the present invention operates to recognize subscriber units which are spatially separated such that the optimized beams may be utilized in providing simultaneous communications therewith.